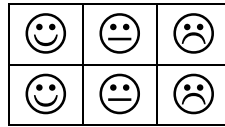
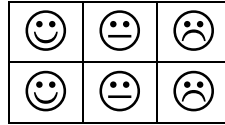


DISTANCE, SPEED AND TIME

A: I can use the formula to calculate distance, given the speed and time



B: I can use the formula to calculate speed, given distance and time.



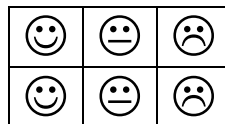
C: I can use the formula to calculate time, given distance and speed.



D: I can change decimal fractions of hours to hours and minutes



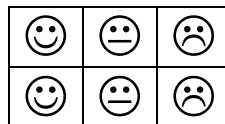
E: I can change hours and minutes to decimal fractions



F: I can use decimal fractions of hours in distance, speed and time calculations



G: I can work with distance-time graphs



How far can you walk if you walk at 3mph for 4hours?
How far has a train travelled after 5 hours at an average speed of 48km/h?

A car travels for 350km in 7 hours. What is its average speed?
What is your average speed if you cycle 36 miles in 3 hours?

How long does it take to travel 100 miles at a speed of 40mph?
How long does it take to travel from Perth to Glasgow at an average speed of 56mph?

Write these times in hours and minutes:-

- a) 0.5hours b) 0.25hours
c) 1.25hours d) 1.75hours
e) 0.45hours f) 2.9hours

Write these times as decimal fractions:-

- a) 30 minutes b) 1 hour 45 mins
c) 2 hours 15 mins
d) 14 hours 20 mins
e) 7 hours 12 minutes

Calculate the distance travelled in 3 hours and 12 minutes at a speed of 50mph.
How long would it take to travel 35km at speed of 20km/h?

Using the distance-time graph:-

- a) Which part of the journey was the fastest?
b) What happens between 1100 and 1200hours?
c) What was the average speed for the whole journey?

